

## Scholastic Aptitude Test (SAT)

### Section 1: Mathematics (20 Questions)

1. Simplify:

$$\frac{3}{4} - \frac{2}{5}$$

2. Solve for x:

$$2x + 3 = 11$$

3. What is the area of a rectangle with length 7 cm and width 3 cm?

4. If the price of a book is reduced by 20%, what is the new price if the original price was ₹500?

5. What is the value of

$$\sqrt{49}$$

?

6. Solve the equation:

$$3x - 4 = 14$$

7. What is the perimeter of a square with side length 5 cm?

8. Simplify:

$$\frac{5}{6} + \frac{1}{3}$$

9. Solve for y:

$$4y + 2 = 18$$

10. What is the volume of a cube with side length 4 cm?

11. Simplify:

$$\frac{7}{8} \times \frac{4}{5}$$

12. Solve for z:

$$5z - 3 = 22$$

13. What is the area of a triangle with base 6 cm and height 4 cm?

14. If the price of a toy is increased by 15%, what is the new price if the original price was ₹800?
15. What is the value of  $\sqrt{64}$ ?
16. Solve the equation:  
 $5x + 2 = 27$
17. What is the perimeter of a rectangle with length 8 cm and width 3 cm?
18. Simplify:  
 $\frac{2}{3} - \frac{1}{6}$
19. Solve for w:  
 $3w + 5 = 20$
20. What is the volume of a rectangular prism with length 5 cm, width 3 cm, and height 4 cm?

## Section 2: Science (15 Questions)

21. What is the chemical formula for water?
22. Name the process by which plants make their own food.
23. What is the unit of force in the International System of Units?
24. What are the three states of matter?
25. What is the chemical formula for carbon dioxide?
26. Name the process by which water changes from a liquid to a gas.
27. What is the unit of energy in the International System of Units?
28. What are the three types of rocks?
29. What is the chemical formula for oxygen gas?
30. Name the process by which animals get energy from food.
31. What is the unit of power in the International System of Units?
32. What are the three parts of an atom?

33. What is the chemical formula for hydrogen gas?
34. Name the process by which a caterpillar changes into a butterfly.
35. What is the unit of work in the International System of Units?

### **Section 3: Social Science (15 Questions)**

36. Who was the first Prime Minister of India?
37. What is the capital of Manipur?
38. Name the largest continent.
39. In which year did India gain independence?
40. Who was the first President of India?
41. What is the capital of India?
42. Name the smallest continent.
43. In which year was the Constitution of India adopted?
44. Who was the first woman Prime Minister of India?
45. What is the capital of Mizoram?
46. Name the largest ocean.
47. In which year was the Republic of India proclaimed?
48. Who was the first Governor-General of Independent India?
49. What is the capital of Nagaland?
50. Name the smallest ocean.